

## ABSTRACT OF THE DISCLOSURE

An anti-pilling treating method is proposed in which protein fiber materials that are constant in quality and have sufficient softness and drape can be stably manufactured. Protein fiber is subjected to cross-linking reaction under weak alkaline conditions of pH 8.5-9.9 at the beginning of the reaction and pH 7.0-7.9 at the end of the reaction by use of a cross-linking agent containing 1 wt% or over of one or more of pyrimidine compound selected from the group consisting of 2,4,6-trichloropyrimidine, 2,6-dichloropyrimidine, 2,6-dichloro-4-aminopyrimidine, 4,6-dichloropyrimidine and 2-amino-4,6-dichloropyrimidine.